

SUMMARY OF MODIFICATIONS TO OMT SPECIFICATION

Shortly after the release of the HLA baseline definition last August, a process was defined to guide the maturation of the HLA specifications based on practical usage of the architecture within the AMG community. Through this process, a number of modifications to the OMT 1.1 specification were proposed. These change proposals were reviewed by the AMG, and approved at the AMG-19 meeting in June. The OMT V1.2 specification reflects the implementation of these changes.

A summary of the most significant changes are as follows:

Interaction Class Structure Table: The need to support inheritance of parameters for interaction classes implies a need for more explicit representation of interaction class-subclass relationships. This new table provides for symmetric treatment of object and interaction classes in defining class hierarchies, and replaces the Object Interaction Table from the previous version of the specification. The only difference between the current Object Class Structure Table and this new table for interaction classes is with regard to federate/federation capability designations. Object classes will continue to receive publish-subscribe (ps) designations, and interaction classes will continue to receive initiate-sense-react (isr) designations.

Attribute Table: The current OMT Attribute/Parameter Table has been partitioned into two separate tables. This action has been taken in response to several requests from the OMT user community (driven by the fact that there is no current way to easily distinguish between object and interaction classes in the table), and to provide consistency in the OMT specification with respect to separation of object- and interaction-specific information. The format of the Attribute Table is identical to that of the current Attribute/Parameter Table, with the exception of the removal of interaction class names from Column 1, and the removal of parameter names from Column 2.

Parameter Table: The Parameter Table provides a means of characterizing parameters of interaction classes. The format of this table is identical to that of the current Attribute/Parameter Table, with the exception of the removal of object class names from Column 1, the removal of attribute names from Column 2, and the removal of the last four columns (Update Type, Update Condition, T/A, U/R) which only pertains to attributes of objects.

FOM/SOM Lexicon: The table which provides the format for defining both attributes and parameters has also been partitioned into two separate tables. This is to maintain consistency in the specification regarding separation of information unique to object and interaction classes.